ABSTRACT OF THE DISCLOSURE

A voltage determination unit dynamically determines a first voltage required to maintain the rotational speed of a spindle motor (SPM) at the rated rotational speed according to a rotational state of the SPM. A CPU determines a second voltage for driving the SPM by software processing in a software control mode. A voltage generator generates the first voltage determined by the voltage determination unit as driving voltage in a hardware control mode and generates the second voltage determined by the CPU as the driving voltage in the software control mode. A driver circuit drives the SPM by the driving voltage generated with the voltage generator.